

The Office of Counseling and Career Services

Student Services Bldg. Room 301 53 Pendell Rd, Poughkeepsie, NY 12601

Phone: (845)431-8040 * Fax: (845)431-8046

WEBPAGE: www.sunydutchess.edu/counseling



DUTCHESS COMMUNITY COLLEGE AND PRE-VETERINARY MEDICINE EDUCATION

JOB DESCRIPTION

Veterinarians care for pets, livestock, sporting, and laboratory animals, and protect humans against diseases carried by animals. Veterinarians diagnose medical problems, dress wounds, set broken bones, perform surgery, prescribe and administer medicines and vaccinate animals against diseases. Some Veterinarians will engage in research, food safety inspection, or education as well as work with physicians and scientists on research to prevent and treat diseases in humans.

PREREQUISITES

Most entrants to veterinary schools have four or more years of college. Course requirements for entry generally include biology or zoology, chemistry, biochemistry, humanities, social sciences, physics, microbiology and English. Laboratory work is essential. Mathematics is also important. Veterinary school may also require applicants to have some work experience with animals.

PREREQUISITE COURSES COMMON TO MOST VET SCHOOLS

SUGGESTED DCC COURSE SELECTION

Biology
Chemistry

Physics
Microbiology
English
Humanities

Social Sciences

Math

Biochemistry

BIO 101 & 102
CHEM 121 & 122
CHEM 231 & 232
PHY 121 & 122 or PHY 151 & 152
BIO 207
ENG 101 & 102
Foreign Language or SPE 101
Recommended
BHS 103 and HIS 104 or HIS 108 or
HIS 121
MAT 115 or higher (MAT 221
Recommended)
(This should be a two-semester course
and should be taken at a four-year
college or university)

BELOW IS A PARTIAL LISTING OF COLLEGES OF VETERINARY MEDICINE:

Cornell Univ., Univ. of Florida, Univ. of Pennsylvania, Purdue Univ., Ohio State, Tufts Univ.,
Tuskegee Univ.

DUTCHESS COMMUNITY COLLEGE AND PRE-VETERINARY MEDICINE EDUCATION (COLLEGE OF VETERINARY MEDICINE, CORNELL UNIVERSITY)

Liberal Arts and Sciences (LAX) is the appropriate program for DCC students to begin their academic preparation for veterinary medicine. Students also need to be aware of the requirements of each college of veterinary medicine, and that they may differ.

The following is a list of prerequisites that prepare a student to apply for admission to the College of Veterinary Medicine at Cornell University:

<u>SEMESTER HOURS</u>	<u>CORNELL UNIVERSITY COURSES</u>	<u>DCC COURSES</u>
6	English Composition	ENG 101 & 102
8	Biology (full year with lab)	BIO 101 & 102
8	General Chemistry (full year with lab)	CHEM 121 & 122
8	Organic Chemistry (full year with lab)	CHEM 231 & 232
8	Physics (full year with lab)	PHY 121 & 122
4	General Microbiology (with lab) *Biochemistry (upper division)	or PHY 151 & 152 BIO 207

ADDITIONAL REQUIREMENTS/RECOMMENDATIONS:

- Prospective applicants should have completed a minimum of 90 semester credit hours. At least 30 of the 90 credits must be completed at a four-year college or university while 60 credits may be completed at a two-year college.
- The GRE (Graduate Record Examination) must be taken no later than September of the year of application.
- The average GPA for recently admitted classes has been approximately 3.5 (all pre-requisites must be completed with at least a grade of "C").
- Experience working with animals is strongly recommended (and accounts for 20% of the admission evaluation).
- Exceeding minimum pre-veterinary course requirements is recommended.

*This course should be a complete (two-semester) course in general biochemistry and should be taken at a four-year college or university. While it is necessary for students to transfer to a four-year institution in order to continue academic preparation for veterinary school they are encouraged to satisfy all requirements to complete an A.S. degree. (Additional coursework and an Associate degree can only make you a stronger candidate!)

** Students should be aware that prerequisite courses as well as admissions requirements are subject to change. Accordingly Students should contact schools of interest directly for current information.